

March Members' Meetings

Dates & Times

Matinee, 2:30 p.m., Wednesday, March 14
Evenings, 8:00 p.m., Wednesday and
Thursday, March 14 and 15, 1984

Place

Morrison Auditorium

Speaker

Walt Anderson

Subject

"California's Mystery Mountains - The Sutter Buttes."

In the northern part of Sutter County is a unique, picturesque series of volcanic hills rising like a miniature mountain range, called the Sutter Buttes. These mountains, which reach a height of 2,132 feet at South Butte and cover an area of 70 square miles, bear in their rugged slopes the same marks and fossils as found in the Coast Range, and in the spring are covered with wildflowers and shrubs.

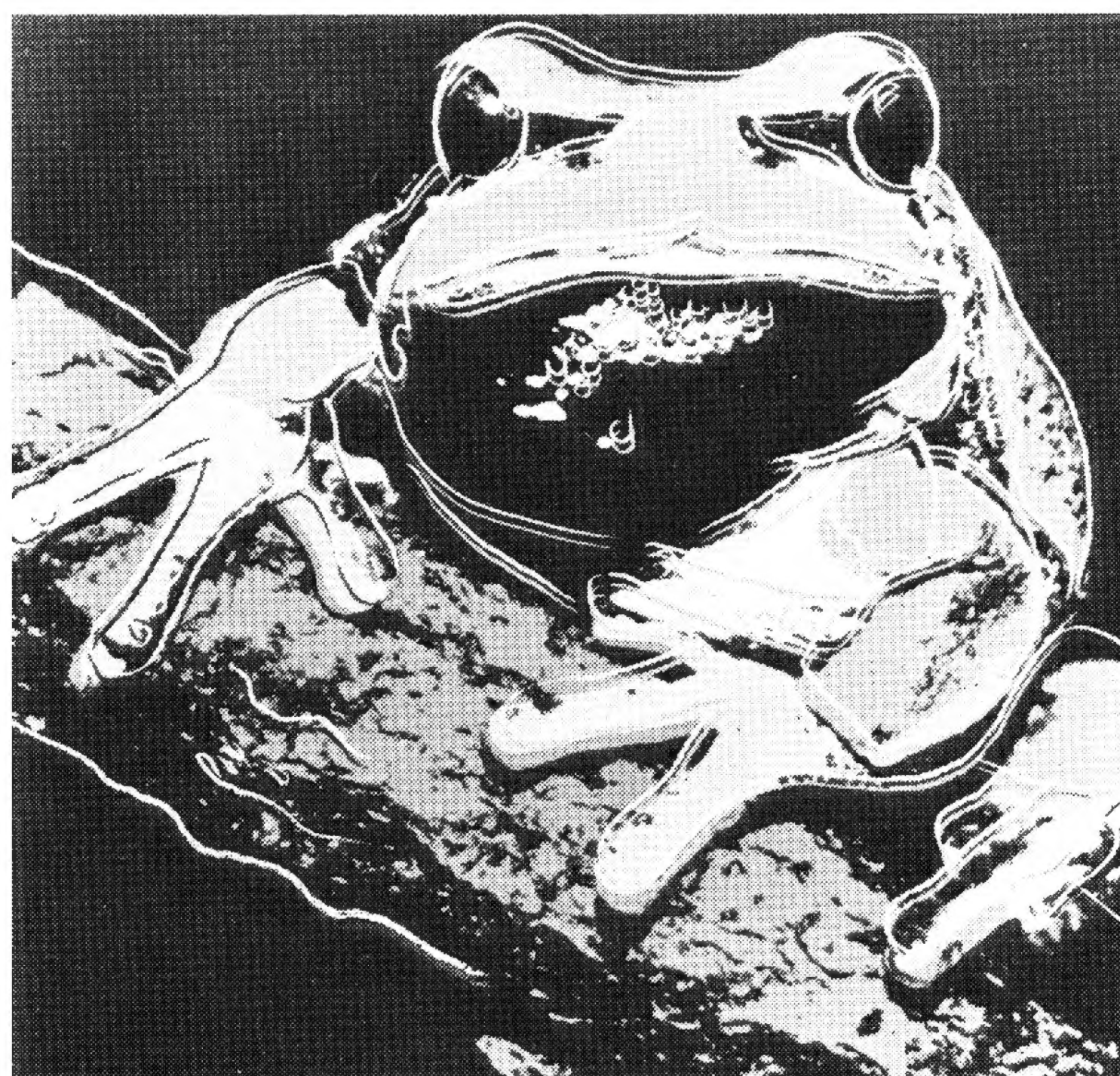
Join naturalist Walt L. Anderson for a slide/lecture in which he will discuss the volcanic geology, habitats, wildlife and wildflowers of the buttes and surrounding valleys. Anderson is a tour leader with Nature Expeditions International and has led trips to Alaska, Mexico, Africa and Baja California.

Your membership card will admit you through the main entrance at Cowell Hall for the evening presentation and through Cowell Hall and Wattis Hall entrances for the matinee. Please be prepared to show your card once again at the auditorium door for the matinee presentation.

Sneak Preview: On April 11 and 12, join Ed Bernbaum for his slide/lecture, "Myths and Legends of the Silk Route."

Mark your calendars today for the Annual Open House on May 9 and 10! For these two evenings, Academy staff will be on hand to open the doors to the research departments; to tour you through the pipes and tanks of Steinhart Aquarium; and members of the Morrison Planetarium staff will show you how they "make the stars!"

Special Exhibits



ENDANGERED SPECIES HIGHLIGHTED

An exhibition of Andy Warhol's print edition entitled "Endangered Species" opens on Saturday, March 10. The series of large format silkscreens depicts ten animals whose existence is threatened by the pressures of man.

"Andy Warhol: Endangered Species" will remain on display through September 3 in Lovell White Hall.

Mountain Light, photographs by Galen Rowell, one of America's foremost wilderness photo-journalists, has been extended through June 17. In McBean-Peterson Galleries.



Portraits of land and marine iguanas, giant Galapagos tortoises, birds and sea lions of "The Enchanted Isles" are included in photographer Larry Minden's photo exhibit entitled **Portraits From the Galapagos**. Through May 28 in Cowell Hall.

Morrison Planetarium

New Sky Show Opens March 2

Imagine seeing more colors than the rainbow has — colors of heat and cold, of energies the eye can't glimpse. Special telescopes on Earth and in space can see not only in reds, greens and yellows, but also in infrared, gamma rays, radio waves, ultraviolet and x-rays. The coats of many colors worn by quasars, supernova remnants, active galaxies and by the sun reveal cosmic truths and beauties beyond any previously known. Visitors to the Morrison Planetarium will see all these colors in the exciting new sky show **The Universe in a New Light** opening March 2 and continuing through April 29.

Showtimes for **The Universe in a New Light** are everyday at 2 p.m., Saturday and Sunday at 11:00 a.m., 2:00 and 3:30 p.m. and Wednesday and Thursday evenings at 7:30.

PLEASE NOTE: *The planetarium will be closed on March 1 to prepare for this new sky show.*

Exploring the Skies of the Season, a tour of the heavens over San Francisco can be seen every Saturday and Sunday at 12:30 p.m.

Members may use their complimentary passes for both of these shows.

Planetarium Concert Series

The stars are out and playing — all year long! Enjoy live music from around the world in the comfort of Northern California's largest indoor universe. These concerts are scheduled on Mondays throughout the year at 8:00 p.m.

Monday, March 19 at 8:00 p.m.

The Universe of Rudy Cipolla with Rudy Cipolla (mandolin), Bob Bruen (mandolin), Antonia Cipollina (piano), Lori Goren (violin) and Susan Smith (flute). Featured: Original compositions by Rudy Cipolla, including selections from his recent album *The World of Rudy Cipolla* on Rounder Records.

Monday, April 23 at 8:00 p.m.

Yoko Gates plays traditional and contemporary Japanese music on the *koto*.

March in to see Laserium's two exciting presentations! Showtimes for Thursday through Sunday evenings are:

Thursday at 9:00 p.m.

Friday at 7:30, 9:00 and 10:30 p.m.

Saturday at 5:00, 7:30, 9:00 and 10:30 p.m.

Sunday at 5:00, 7:30 and 9:00 p.m.

Ticket prices: Regular \$4.50; Matinee (5:00 p.m. show) \$3.50; children 6-12 and seniors \$2.50.

Advance tickets are available through Ticketron or can be purchased one-half hour before showtime at the main entrance to the Academy. FOR SHOW TITLES AND MORE INFORMATION CALL 221-0168.

PLEASE NOTE: Planetarium passes are NOT usable for Laserium shows. Children under 5 are not admitted to Laserium.

Every Saturday at 1 p.m. a different ethnic group from the Bay Area shares its cultural heritage with visitors in a program of traditional arts. Each week the presentation covers a different aspect of these arts — from story-telling and food demonstrations to folk music, dancing and carving.

March 3

A special presentation of **antique costumes** brought by immigrants to California.

Members of the Turkish, Chinese, Swiss, Indian and Swedish communities will model wedding gowns, saris, court dress, workday and Sunday clothes, preserved in their families.

March 10

Using traditional West African tools, Claude Clark will demonstrate the techniques of Afro-American **wood carving**.



March 17

In honor of St. Joseph's Day (March 19), a performance of **Italian folk music** by Gino di Michele (guitar) and Mateo Casserino (mandolin).

March 24

Learn about **English foodways** associated with "teatime" and the "pubs." Hilary Benford will prepare and serve three popular dishes: trifle, Scotch eggs, potted shrimp.

March 31

Traditional **Russian songs**, performed by

Nada Lewis and Lynn Carpenter on the accordion and balalaika.

The Traditional Arts Program is funded by the National Endowment for the Arts and the Rietz Food Technology Foundation.

A SHY LITTLE GUY

On Sunday, January 29, the first penguin chick was born in the new black-footed penguin display at Steinhart Aquarium. (Sorry . . . we don't have a picture this month, but the little grey bit of fluff is under the protective care of its parents, and cameras are not trusted by Mom and Pop!)

After about three weeks, John Hewitt, biologist in charge of the penguin display, will remove the chick to a "penguin nursery" where it will be hand fed and reintroduced to the colony when it attains its almost full-grown size.

Black-footed penguins are found in the wild off the coast of South Africa. In nature they are threatened by the pressures of man, but they seem to be thriving in their new home at the Academy! Information of the birth of the baby will be fed into a central computer so that zoos and aquariums the world over will know the latest population statistics of this particular species.

Africa For The Visually Impaired

Starting March, 1984, materials about African animals will be available at the California Academy of Sciences, for the blind and visually impaired. Binders containing thermoform raised pictures, braille and large print text can be obtained at the Information Desk in Cowell Hall near the front entrance. These materials are for use at home or in Simson African Hall. Call Susan Douglas, at 221-5100 for further information.

SECOND ANNUAL PHOTO CONTEST FOR YOUNG PEOPLE

A repeat of last year's highly successful Photo Contest for Young People is in the works! Photographers 18 years and under are invited to enter photographs in six categories. The deadline is April 27, and you need an official entry form to enter. Call the California Academy of Sciences at 221-5100 and ask for the Junior Academy. This year's contest is co-sponsored by the Academy and KRON-TV.



BATEMAN PRINT OPPORTUNITY FOR MEMBERS

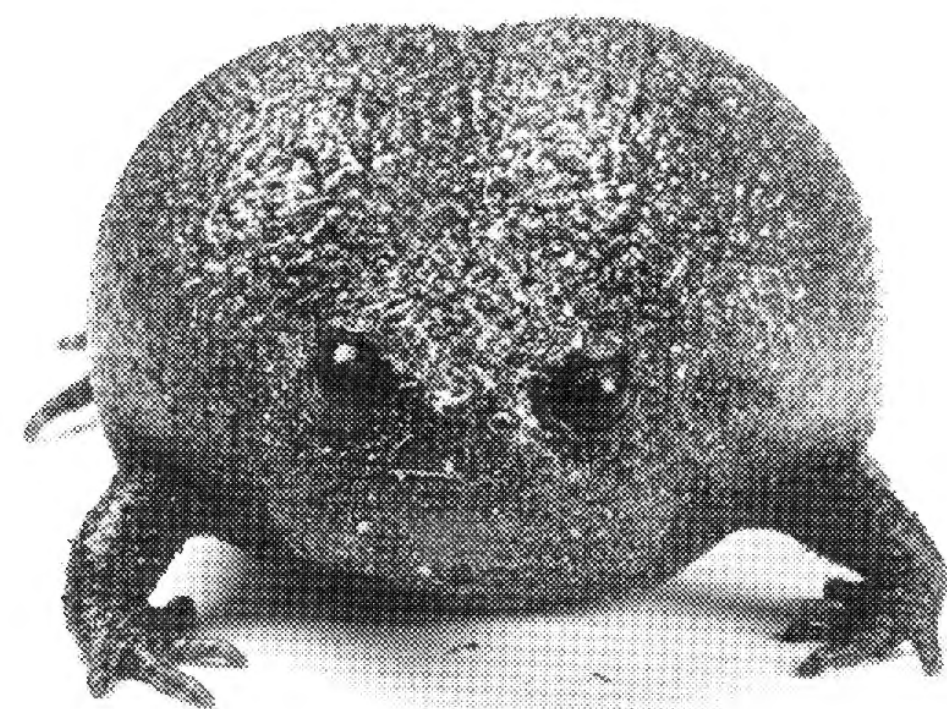
During the exhibition "The Art of Robert Bateman" this past winter, we had many calls from members who wanted to buy either original paintings or prints. (The Nature Company, by the way, offers Robert Bateman limited edition prints the year round!)

Now a special opportunity has come our way through the good non-profit offices of The California Waterfowl Association, an organization working for the preservation and enhancement of California's threatened waterfowl resources.

A new limited edition print by Robert Bateman, entitled *Stretching - Canada Goose*, above, is being offered **only** to members of the California Waterfowl Association and the California Academy of Sciences. The cost including shipping and sales tax is \$249.62. A copy of the print will be on display outside the Morrison Auditorium in March and order forms are available through the office of Public Information at the California Academy of Sciences. Call (415) 221-5100 for more information.

Members don't forget. . . You can now see "Science In Action" in Cowell Hall every weekday at 1:30! (It's a miniature Open House for visitors to the museum.) You can also *hear* "Science In Action" every day on KQED-FM and KCBS Newsradio 74. Sponsored by the California Academy of Sciences, this two-minute bite of information reflects the kind of scientific research going on at your natural history museum and aquarium, and reaches out to other areas of interest in the world of science and technology. If you have any topics you'd like to know more about, call 221-5100 and ask for Public Information.

On Saturday, March 17, the world's foremost edible art artist, Art Grant — will build the world's largest edible snake with 4,000 tasty green pears supplied by Castle & Cooke. Starting about 10 a.m. visitors can watch and chatter with the artist as he winds the "snake" through the Academy's courtyard. The unexpected finale will be the dismantling of the sculpture by the public and a lunchtime treat for everyone who visits! Come join the fun and take this opportunity to see the snake displays around the swamp area of Steinhart Aquarium!



Bob Drewes has returned from a month-long field trip in South Africa with three strange frogs. Known only from forests in the southern Cape, the Plain Rain Frog, *Breviceps fuscus* is found in shallow burrows beneath logs. It is a termite-eater and face-to-face, looks very much like Winston Churchill. See this new display near The Swamp! (Member of the Family Microhylidae.)

31st YEAR FOR BAY AREA SCIENCE FAIR

Between March 31 and April 4, you can see hundreds of entries to the 31st Annual Bay Area Science Fair covering all areas of scientific interest. Join the fun and see what's happening in science classes in our schools!

For information on these Adult Education classes, call 221-5100, Ext. 215

The Stars of the Maya

March 13-27
(3 Tuesdays)
7:00-9:00 p.m.
Instructor: Dr. Walt Terris, Astronomer
Cost: \$20 members, \$25 non-members

Edible Landscapes

March 21 and 28
(2 Wednesdays)
7:00 p.m. - 9:30 p.m.
Instructor: Rosalind Creasy
Cost: \$15 members, \$20 non-members

The Four Great Questions of Astronomy

April 3 - 24
(4 Tuesdays)
7:00 - 9:00 p.m.
Instructor: Norman Sperling
Cost: \$25 members, \$30 non-members

The World in a Shell

April 3 - 24
(4 Tuesdays)
7:00 - 9:00 p.m.
Field Trip: Saturday morning, May 5
Instructor: Sally Crittenden
Cost: \$30 members, \$35 non-members

ACADEMY EXPEDITIONS 1984

From travel by rubber rafts along the Colorado River to comfortable cruising along the east coast of Africa, members will find an expedition to suit their fancy.

Spring Garden and Birding Tour to the Gulf Coast and New Orleans

April 5 - 14
The Spring season is delightful in the Gulf Coast region of the United States where

nature abounds in graceful splendor. With visits to Mobile, Natchez and New Orleans, we will tour exquisite antebellum mansions, gardens, parks, museums and bird sanctuaries. Dr. and Mrs. Robert T. Orr will be your guides. Costs are \$1515 per person, \$414 for air fare. For information, call Siemer & Hand Travel at (415) 788-7186.

Spring in the California Desert

April 23 - 30 Filled

Wait-list only. Cost is \$250. For information, call Focus on Nature at (707) 584-5154, or write 5570 Inverness, Santa Rosa, CA 95404.

The Archaeological Wonders of Turkey

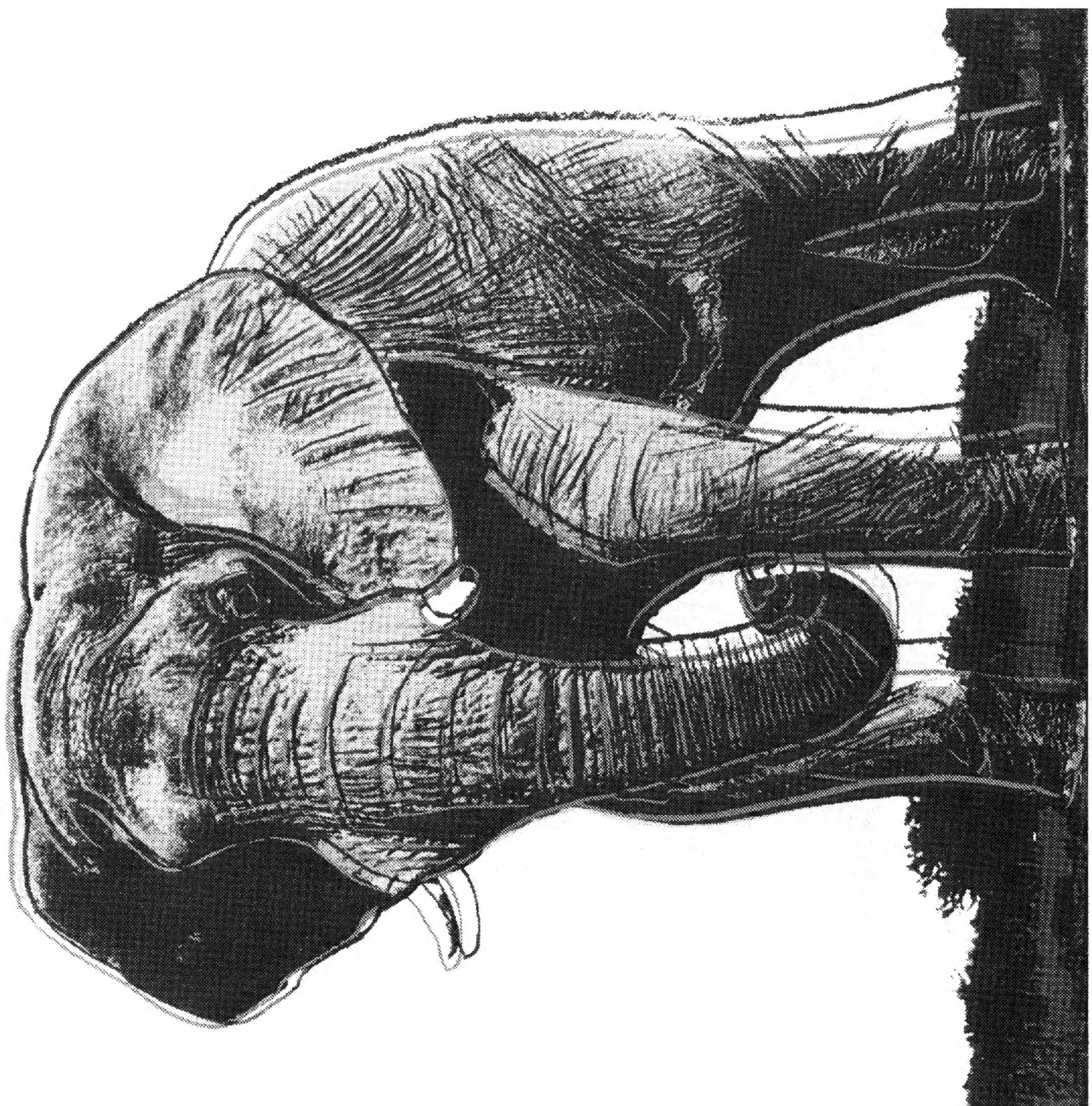
April 28 - May 15

A "crossroads of the ancient world," Turkey offers today's visitor a vast panoply of history, art and architecture that spans centuries of conquest and development. Hittite, Greek, Roman, Byzantine, and Islamic civilizations have each left their mark in this vast Middle Eastern country. Istanbul with its famous Blue Mosque and Topkapi Palace; Ankara; Capadocia, located in the heart of Turkey where entire cities are built underground; the famous sights of Ephesus, Pergamum, Sardis are but a few of the highlights of this most unique tour. The sights of Greece will include some time in Athens to enjoy the Acropolis, and Archaeological Museum. We travel to Corinth and Nauplia, then to enjoy a very special visit to the University of California "dig" at Nemea en route to Delphi. After some time in Delphi, we return to Athens and home. Cost is \$2740 per person, \$1,171 air fare. For information, please call Siemer & Hand Travel at (415) 788-7186.

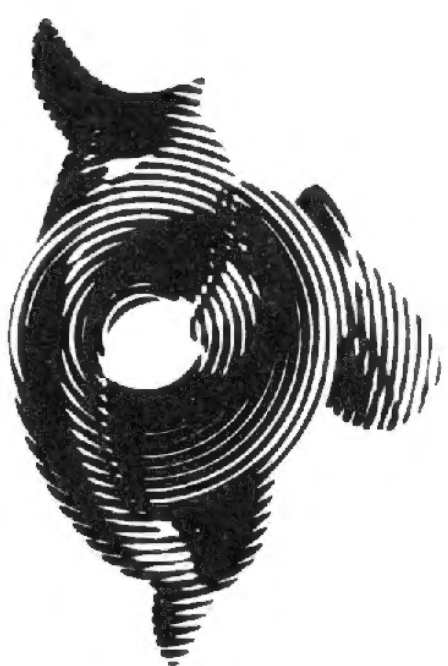
China: Dragons and Destinies

April 22 - May 16

This People's Republic of China tour will feature the flora and fauna and the peoples of the minority nationalities whose cultures are protected by the government. Led by Nancy Pickford, members will enjoy the sights of Beijing, and the famous lifesized terra cotta figures discovered in Xian. In Chengdu, capital of Sichuan Province, we will visit the zoo with its Greater and Lesser Pandas and then to Mount Emei, one of the great pilgrimage mountains of China. In Kunming, Yunan Province, highlights will in-



California Academy of Sciences Newsletter, March 1984



California
Academy of
Sciences

Non-Profit Organization
U.S. Postage Paid
Permit No. 7544
San Francisco, California

Open every day of the year
from 10 to 5

No. 531

Golden Gate Park, San Francisco, California 94118
(415) 221-5100 221-4214

Time Dated Material

GRAPHIC
ARTS
OF MARINE INC.

clude the Stone Forest and the Dragon Gate. Our tour is completed with a visit to the Prefecture of Xishuangbanna, a tropical area located along the upper reaches of the Mekong River. Cost is \$3510 per person, \$1258 for air. For information, call Pan Oceanic Tours and Travel at (415) 474-7576.

Grand Ronde River Trip June 19 - 24

A 4-day float trip through the Grand Ronde Canyon in northeastern Oregon. Led by Dr. Jack Arnold. For information, call the Academy Travel Office at (415) 221-5100.

Seychelles and the Southern Seas June 15 - July 7 Kenya - An Optional Extension June 10 - 17

Dr. Robert Drewes leads this spectacular cruise through the Seychelle Islands and along the east coast of Africa. A specially planned pre-trip tour to Kenya is also offered. Cruise costs range from \$3880 to \$7600 plus air. Cost of Kenya extension is \$1020. For information, call the Academy Travel Office at (415) 221-5100.

Galapagos Islands July 26 - August 11 Peru - An Optional Extension August 11 - 19

Ecuador and a cruise through the wonderful Galapagos Islands aboard the *M.V. Buccaneer* with an optional tour to Peru and to Machu Picchu also offered. Led by Dr. Frank Almeda. Cost for Galapagos is \$1987 for land/cruise and \$806 for air fare. Cost for extension is \$892 for land and \$238 for air. For information, call Siemer & Hand Travel at (415) 788-7186.

Killer Whales and Totem Poles August 6 - 17

Travel aboard elegant sailboats to see orcas and the remnants of ancient native civilizations in America's northwest. Costs are \$1635 for land/cruise arrangements, \$198 for air. For information, call the Academy Travel Office at (415) 221-5100.

Alaska September 1 - 12

A wealth of wildlife and scenery with this cruise aboard the *M.V. Majestic Alaska Explorer*. Costs range from \$2550 to \$3750 plus air fare. For information, call the Academy Travel Office at (415) 221-5100.